

**STIC-Biotech/ChemLib****65591**

**From:** STIC-ILL  
**Sent:** Monday, April 29, 2002 4:56 PM  
**To:** STIC-Biotech/ChemLib  
**Subject:** FW: litigation search for 09082247 and us patent 5547861  
  
**Importance:** High

-----Original Message-----

**From:** Tung, Joyce  
**Sent:** Monday, April 29, 2002 4:53 PM  
**To:** STIC-ILL  
**Subject:** litigation search for 09082247 and us patent 5547861  
**Importance:** High

Please do litigation search for SN 09/082,247 and US patent 5,547,861 Thank you.  
Joyce Tung (mail room no. 10e12) ✓

10D13  
1637 ✓

Searcher: M. Bruylants  
Phone: \_\_\_\_\_  
Location: \_\_\_\_\_  
Date Picked Up: 5/3/02  
Date Completed: 5/3/02  
Searcher Prep/Review: 20  
Clerical: \_\_\_\_\_  
Online time: 30

TYPE OF SEARCH:  
NA Sequences: \_\_\_\_\_  
AA Sequences: \_\_\_\_\_  
Structures: \_\_\_\_\_  
Bibliographic: \_\_\_\_\_  
Litigation: x  
Full text: \_\_\_\_\_  
Patent Family: \_\_\_\_\_  
Other: \_\_\_\_\_

VENDOR/COST (where applic.)  
STN: \_\_\_\_\_  
DIALOG: \_\_\_\_\_  
Questel/Orbit: \_\_\_\_\_  
DRLink: \_\_\_\_\_  
Lexis/Nexis: \_\_\_\_\_  
Sequence Sys.: \_\_\_\_\_  
WWW/Internet: \_\_\_\_\_  
Other (specify): \_\_\_\_\_

RECEIVED  
APR 30 2002  
(STIC)

TUNG

PN 5, 547,861 Page 1

?fil pluspat;5547861/pn;prt full legalall

QUESTEL - Time in minutes : 1,49  
The cost estimation below is based on Questel's  
standard price list

Estimated cost : 1.29 USD  
Cost estimated for the last database search : 1.29 USD  
Estimated total session cost : 1.29 USD

Selected file: PLUSPAT

PLUSPAT - (c) Questel-Orbit, All Rights Reserved.  
Comprehensive Worldwide Patents database  
New Family Legstat & LEGAL Displays; INFO MFAMSTAT & INFO NEWS-PLUSPAT  
Last database update: 2002/05/02 (YYYY/MM/DD) 2002-17/UP (basic update)

\*\* SS 1: Results 1

1/1 PLUSPAT - (C) QUESTEL-ORBIT  
PN - US5547861 A 19960820 [US5547861]  
TI - (A) Detection of nucleic acid amplification  
PA - (A) BECTON DICKINSON CO (US)  
IN - (A) NADEAU JAMES G (US); WALKER GEORGE T (US)  
AP - US22928194 19940418 [1994US-0229281]  
PR - US22928194 19940418 [1994US-0229281]  
IC - (A) C07H-021/04 C12P-019/34 C12Q-001/68 C12Q-001/70  
EC - C12Q-001/68B2  
- C12Q-001/68D  
ICO - M12Q-220/114  
- M12Q-220/114X22  
- M12Q-240/114B  
- M12Q-240/216  
PCL - ORIGINAL (O) : 435091200; CROSS-REFERENCE (X) : 435005000 435006000  
536024300  
DT - Corresponding document  
CT - US5126239; US5210015; US5348853; EP0420260; WO9006374; WO9202638;  
WO9201812; WO9211390  
- Walker et al., Strand displacement amplification--an isothermal in  
vitro DNA amplification technique, NAR 20: 1691-1696, 1992\*.

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1-19, pub. Feb. 6, 1992\*.

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restriction enzyme/DNA polymerase system" Proc. Natl. Acad. Sci. USA  
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Polymerase Chain Reaction Products" Clin. Chem. 38, 687-694 (1992).

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allowing direct solid-phase genomic sequencing of the positive

samples" Proc. Natl. Acad. Sci. USA 87, 6569-6573 (1990).

D. J. Kemp, et al. "Colorimetric detection of specific DNA segments amplified by polymerase chain reactions" Proc. Natl. Acad. Sci. USA 86, 2423-2427 (1989).

F. F. Chehab, et al. "Detection of specific DNA sequences by fluorescence amplification: A color complimentation assay" Proc. Natl. Acad. Sci. USA 86, 9178-9182 (1989).

A. C. Syvanen, et al. "Quantification of polymerase chain reaction products by affinity-based hybrid collection" Nucl. Acids Res. 16, 11327-11338 (1988).

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C. R. Newton, et al. "The production of PCR products with 5' single-stranded tails using primers that incorporate novel phosphoramidite intermediates" Nucl. Acids. Res. 21, 1155-1162 (1993).

P. M. Holland, et al. "Detection of specific polymerase chain reaction product by utilizing the 5'-3' exonuclease activity of *Thermus aquaticus* DNA polymerase" Proc. Natl. Acad. Sci. USA 88, 7276-7280 (1991).

P. M. Holland, et al. "Detection of specific polymerase chain reaction product by utilizing the 5'-3' exonuclease activity of *Thermus aquaticus* DNA polymerase" Clin. Chem. 38, 462-463 (1992).

STG - (A) United States patent

AB - Methods for detecting, immobilizing or localizing primer extension products of a Strand Displacement Amplification reaction which are coupled to, and an indication of, amplification of the target sequence. The primer extension products are secondary, target-specific DNA products generated concurrently with SDA of the target sequence and can therefore be used to detect and/or measure target sequence amplification in real-time. In general, the secondary amplification products are not amplifiable and remain inert in the SDA reaction after they are formed without interfering with amplification of the target sequence. The secondary amplification products may be designed or modified to contain special features to facilitate their detection, immobilization or localization.

1/1 LGST - (C) LEGSTAT

PN - US 5547861 [US5547861]

AP - US 229281/94 19940418 [1994US-0229281]

DT - US-P

ACT - 19940418 US/AE-A

APPLICATION DATA (PATENT)

{US 229281/94 19940418 [1994US-0229281]}

- 19940418 US/AS02

## ASSIGNMENT OF ASSIGNOR'S INTEREST

BECTON, DICKINSON AND COMPANY PATENT AND LICENSING DEPARTMENT 1 BECTON  
DRIVE FRA \* NADEAU, JAMES G. : 19940413; WALKER, GEORGE TERRANCE :  
19940413

- 19960820 US/A
- PATENT
- 19980818 US/RF
- REISSUE APPLICATION FILED
- 980520
- 19980922 US/RF
- REISSUE APPLICATION FILED
- 980520

UP - 1999-21

1/1 CRXX - (C) CLAIMS/RRX  
PN - 5,547,861 A 19960820 [US5547861]

PA - Becton Dickinson & Co

ACT - 19980520 REISSUE REQUESTED

Issue Date of O.G.: 19980922

Reissue Request Number: 09/082247

Examination Group responsible for Reissue process: 1635

1/2 PAST - (C) Thomson Derwent

AN - 199838-001288

PN - 5547861 A [US5547861]

OG - 1998-09-22

ACT - REISSUE APPLICATION FILED

2/2 PAST - (C) Thomson Derwent

AN - 199833-001001

PN - 5547861 A [US5547861]

OG - 1998-08-18

ACT - REISSUE APPLICATION FILED

Search statement 2

TUNG  
PN 5,547,861

### Status: Path 1 of [Dialog Information Services via Modem]  
### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 31060000009999...Open  
DIALOG INFORMATION SERVICES  
PLEASE LOGON:  
\*\*\*\*\* HHHHHHHH SSSSSSS?  
### Status: Signing onto Dialog  
\*\*\*\*\*  
ENTER PASSWORD:  
\*\*\*\*\* HHHHHHHH SSSSSSS? \*\*\*\*\*  
Welcome to DIALOG  
### Status: Connected

Dialog level 02.03.27D

Last logoff: 03may02 07:33:08  
Logon file415 03may02 11:07:26  
\*

File 415:DIALOG Bluesheets(TM) 2002/May 03  
(c) 2002 The Dialog Corporation

Set	Items	Description
Cost is in DialUnits		
?b345;s pn=us 5547861;t1/29/1		
03may02 11:08:45 User259289 Session D272.1		
\$0.00 0.079 DialUnits File415		
\$0.00 Estimated cost File415		
\$0.43 TELNET		
\$0.43 Estimated cost this search		
\$0.43 Estimated total session cost 0.079 DialUnits		

File 345:Inpadoc/Fam.& Legal Stat 1968-2002/UD=200216  
(c) 2002 EPO

Set	Items	Description
S1	1	PN=US 5547861

1/29/1  
DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat  
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Dialog File: Inpadoc/Fam.& Legal Stat\_1968-2002/UD=200216

Acc no: 16673879

Latest Legal Status Added: 200213

BRAZIL (BR)

LEGAL STATUS (NO,TYPE,DATE,CODE,TEXT):			
BR 9501582	P	20020226 BR FB34	GRANT PROCEDURE SUSPENDED ART.34 OF LPI (EXIGENCIA ART. 34 DA LPI)
BR 9501583	P	20020226 BR FB34	GRANT PROCEDURE SUSPENDED ART.34 OF LPI (EXIGENCIA ART. 34 DA LPI)

Basic Patent (No,Kind,Date): CA 2145576 AA 19951019  
<No. of Patents: 026> <No. of Patents: 026>

msmith 308-3278

DETECTION OF NUCLEIC ACID AMPLIFICATION (English; French)  
 NACHWEIS VON NUKLEINSAEURE-AMPLIFIKATION MITTELS FLUORESZENZ-POLARISATION  
 DETECTION OF NUCLEIC ACID AMPLIFICATION  
 PROCESSO PARA DETECTAR AMPLIACAO DE UMA SEQUENCIA ALVO DE ACIDOS NUCLEICOS  
 BI-HELICOIDAIS EM UMA REACAO DE AMPLIACAO POR DESLOCAMENTO DE CADEIA  
 HELICOIDAL (SDA)  
 PROCESSO PARA GERAR SIMULTANEAMENTE UM PRODUTO SECUNDARIO DE AMPLIFICACAO E  
 UM PRODUTO DE AMPLIFICACAO EM UMA REACAO DE AMPLIFICACAO POR DESLOCAMENTO  
 DA CADEIA HELICOIDAL (SDA)  
 FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION.  
 DETECTION OF NUCLEIC ACID AMPLIFICATION.  
 FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
 DETECCION DE LA AMPLIFICACION DE ACIDO NUCLEICO MEDIANTE POLARIZACION POR  
 FLUORESCENCIA.  
 FLUORESCENT POLARIZATION DETECTING METHOD OF NUCLEIC ACID AMPLIFICATION  
 FLUORERSCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US)  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applic (No,Kind,Date): CA 2145576 A 19950328  
 IPC: \*C12Q-001/70; C12Q-001/68; C12N-015/10; C12P-019/34  
 Language of Document: English

## Patent Family:

Patent No	Kind	Date	Applic No	Kind	Date
AT 197071	E	20001115	EP 95104930	A	19950403
AU 9515019	A1	19960418	AU 9515019	A	19950323
AU 9515023	A1	19951026	AU 9515023	A	19950323
AU 685903	B2	19980129	AU 9515023	A	19950323
AU 705637	B2	19990527	AU 9515019	A	19950323
BR 9501582	A	19970916	BR 95U1582	A	19950413
BR 9501583	A	19951114	BR 95U1583	A	19950413
CA 2145576	AA	19951019	CA 2145576	A	19950328 (BASIC)
CA 2145719	AA	19951019	CA 2145719	A	19950328
CA 2145576	C	19980630	CA 2145576	A	19950328
CA 2145719	C	19980630	CA 2145719	A	19950328
DE 69519122	C0	20001123	DE 69519122	A	19950403
DE 69519122	T2	20010322	DE 69519122	A	19950403
EP 678581	A1	19951025	EP 95104930	A	19950403
EP 678582	A1	19951025	EP 95104931	A	19950403
EP 678581	B1	20001018	EP 95104930	A	19950403
ES 2152995	T3	20010216	ES 95104930	EP	19950403
JP 7289299	A2	19951107	JP 9592397	A	19950418
JP 8038199	A2	19960213	JP 9592404	A	19950418
JP 2674737	B2	19971112	JP 9592397	A	19950418
JP 2757979	B2	19980525	JP 9592404	A	19950418
KR 145908	B1	19980801	KR 959040	A	19950418
SG 3000350	A1	19960601	SG 9500274	A	19950418
SG 3400216	A1	19961206	SG 9500275	A	19950418
US 5547861	A	19960820	US 229281	A	19940418
US 5593867	A	19970114	US 311474	A	19940923

## AUSTRIA (AT)

Patent (No,Kind,Date): AT 197071 E 20001115  
 NACHWEIS VON NUKLEINSAEURE-AMPLIFIKATION MITTELS FLUORESZENZ-POLARISATI  
 ON (German)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
 (US); LINN CARL PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applic (No,Kind,Date): EP 95104930 A 19950403  
 Addnl Info: 678581 20001018

IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: German

## AUSTRIA (AT)

Legal Status (No,Type,Date,Code,Text):  
 AT 197071 R 20001115 AT REF CORRESPONDS TO EP-PATENT  
 (ENTSPRICHT EP-PATENT)  
 EP 678581 P 20001018  
 AT 197071 R 20010315 AT UEP PUBLICATION OF TRANSLATION  
 OF EUROPEEN PATENT SPECIFICATION  
 (UEBERSETZUNG DER EUROPAEISCHEN PATENTSCHRIFT  
 AUSGEGBEN)

## AUSTRALIA (AU)

Patent (No,Kind,Date): AU 9515019 A1 19960418  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): NADEAU JAMES G; WALKER GEORGE TERRANCE  
 Priority (No,Kind,Date): US 311474 A 19940923  
 Applic (No,Kind,Date): AU 9515019 A 19950323  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(07)078682X  
 Derwent WPI Acc No: \* C 95-360099  
 Language of Document: English  
 Patent (No,Kind,Date): AU 9515023 A1 19951026  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): NADEAU JAMES G; WALKER GEORGE TERRANCE  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applic (No,Kind,Date): AU 9515023 A 19950323  
 IPC: \* C12Q-001/68  
 Language of Document: English  
 Patent (No,Kind,Date): AU 685903 B2 19980129  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): NADEAU JAMES G; WALKER GEORGE TERRANCE  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applic (No,Kind,Date): AU 9515023 A 19950323  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English  
 Patent (No,Kind,Date): AU 705637 B2 19990527  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): NADEAU JAMES G; WALKER GEORGE TERRANCE  
 Priority (No,Kind,Date): US 311474 A 19940923  
 Applic (No,Kind,Date): AU 9515019 A 19950323  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099  
 Language of Document: English

## BRAZIL (BR)

Patent (No,Kind,Date): BR 9501582 A 19970916  
 PROCESSO PARA GERAR SIMULTANEAMENTE UM PRODUTO SECUNDARIO DE AMPLICACAO  
 E UM PRODUTO DE AMPLICACAO EM UMA REACAO DE AMPLICACAO POR  
 DESLOCMAENTO DA CADEIA HELICOIDAL (SDA) (Portuguese)  
 Patent Assignee: BECTON DICKINSON CO (US)

Author (Inventor): NADEAU JAMES G; WALKER GEORGE TERRANCE  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Aplic (No,Kind,Date): BR 95U1582 A 19950413  
 IPC: \* C12P-019/34; C12Q-001/68; G01N-033/58; C07H-021/00  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Portugese  
 Patent (No,Kind,Date): BR 9501583 A 19951114  
 PROCESSO PARA DETECTAR AMPLIACAO DE UMA SEQUENCIA ALVO DE ACIDOS  
 NUCLEICOS BI-HELICOIDAIS EM UMA REACAO DE AMPLIACAO POR DESLOCAMENTO  
 DE CADEIA HELICOIDAL (SDA) (Portugese)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER GEORGE TERRANCE; NADEAU JAMES G; LINN C  
 PRESTON  
 Priority (No,Kind,Date): US 311474 A 19940923; US 229281 A  
 19940418  
 Aplic (No,Kind,Date): BR 95U1583 A 19950413  
 IPC: \* C12P-019/34; C12Q-001/68; G01N-033/58; C07H-021/00  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Portugese

## BRAZIL (BR)

Legal Status (No,Type,Date,Code,Text):  
 BR 9501582 P 20020226 BR FB34 GRANT PROCEDURE SUSPENDED  
 ART.34 OF LPI (EXIGENCIA ART. 34 DA LPI)  
 BR 9501583 P 20020226 BR FB34 GRANT PROCEDURE SUSPENDED  
 ART.34 OF LPI (EXIGENCIA ART. 34 DA LPI)

## CANADA (CA)

Patent (No,Kind,Date): CA 2145576 AA 19951019  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English; French)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US)  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Aplic (No,Kind,Date): CA 2145576 A 19950328  
 IPC: \* C12Q-001/70; C12Q-001/68; C12N-015/10; C12P-019/34  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2145719 AA 19951019  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English; French)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US); LINN C  
 PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Aplic (No,Kind,Date): CA 2145719 A 19950328  
 IPC: \* C12Q-001/68; C12Q-001/70  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2145576 C 19980630  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English; French)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US)  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Aplic (No,Kind,Date): CA 2145576 A 19950328  
 IPC: \* C12Q-001/68; C12N-015/10; C12P-019/34  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English  
 Patent (No,Kind,Date): CA 2145719 C 19980630  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English; French)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US); LINN C

PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applic (No,Kind,Date): CA 2145719 A 19950328  
 IPC: \* C12Q-001/68; G01N-021/64  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English

## GERMANY (DE)

Patent (No,Kind,Date): DE 69519122 C0 20001123  
 NACHWEIS VON NUKLEINSAURE-AMPLIFIKATION MITTELS  
 FLUORESSENZ-POLARISATION (German)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
 (US); LINN CARL PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applic (No,Kind,Date): DE 69519122 A 19950403  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: German  
 Patent (No,Kind,Date): DE 69519122 T2 20010322  
 NACHWEIS VON NUKLEINSAURE-AMPLIFIKATION MITTELS  
 FLUORESSENZ-POLARISATION (German)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
 (US); LINN CARL PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applic (No,Kind,Date): DE 69519122 A 19950403  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: German

## GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):  
 DE 69519122 P 20001123 DE REF CORRESPONDS TO (ENTSPRICHT)  
 DE 69519122 P 20010322 DE 8373 TRANSLATION OF PATENT  
 DOCUMENT OF EUROPEAN PATENT WAS RECEIVED AND  
 HAS BEEN PUBLISHED (UEBERSETZUNG DER  
 PATENTSCHRIFT DES EUROPAEISCHEN PATENTES IST  
 EINGEGANGEN UND VEROEFFENTLICHT WORDEN)  
 DE 69519122 P 20011108 DE 8364 NO OPPOSITION DURING TERM OF  
 OPPOSITION (EINSPRUCHSFRIST ABGELAUFEN OHNE  
 DASS EINSPRUCH ERHOBEN WURDE)

## EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 678581 A1 19951025  
 FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION.  
 (English; French; German)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
 (US); LINN CARL PRESTON (US)  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applic (No,Kind,Date): EP 95104930 A 19950403

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;  
SE  
IPC: \* C12Q-001/68  
CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G;  
124(07)078682X  
Derwent WPI Acc No: \* C 95-360099; C 95-360100; C 95-360099  
Language of Document: English  
Patent (No,Kind,Date): EP 678582 A1 19951025  
DETECTION OF NUCLEIC ACID AMPLIFICATION. (English; French; German)  
Patent Assignee: BECTON DICKINSON CO (US)  
Author (Inventor): NADEAU JAMES GREGORY (US); WALKER GEORGE TERRANCE  
(US)  
Priority (No,Kind,Date): US 229281 A 19940418  
Applic (No,Kind,Date): EP 95104931 A 19950403  
Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;  
SE  
IPC: \* C12Q-001/68  
CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G;  
124(01)002532C  
Derwent WPI Acc No: \* C 95-360099; C 95-360100; C 95-360100  
Language of Document: English  
Patent (No,Kind,Date): EP 678581 B1 20001018  
FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
(English; French; German)  
Patent Assignee: BECTON DICKINSON CO (US)  
Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
(US); LINN CARL PRESTON (US)  
Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
19940923  
Applic (No,Kind,Date): EP 95104930 A 19950403  
Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL;  
SE  
IPC: \* C12Q-001/68  
CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
Derwent WPI Acc No: \* C 95-360099; C 95-360100  
Language of Document: English

## EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):  
EP 678581 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
EP 678581 P 19940923 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
  
EP 678581 P 19950403 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 95104930 A 19950403  
EP 678581 P 19951025 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)  
  
EP 678581 P 19951025 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)  
EP 678581 P 19960508 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
960308

EP 678581 P 19990324 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
990208

EP 678581 P 20001018 EP AK DESIGNATED CONTRACTING  
STATES MENTIONED IN A PATENT SPECIFICATION:  
(IN EINER PATENTSCHRIFT ANGEGUEHRTE BENANNTE  
VERTRAGSSTAATEN)  
AT BE CH DE ES FR GB IT LI NL SE

EP 678581 P 20001018 EP B1 PATENT SPECIFICATION  
(PATENTSCHRIFT)

EP 678581 P 20001018 EP REF IN AUSTRIA REGISTERED AS:  
(IN AT EINGETRAGEN ALS:)  
AT 197071 R 20001115

EP 678581 P 20001031 CH EP/REG ENTRY IN THE NATIONAL PHASE  
(EINTRITT IN DIE NATIONALE PHASE)

EP 678581 P 20001031 CH EP/REG ENTRY IN THE NATIONAL PHASE  
(EINTRITT IN DIE NATIONALE PHASE)

EP 678581 P 20001106 EP ITF IT: TRANSLATION FOR A EP  
PATENT FILED (IT: DEPOSITO TRADUZIONE DI  
BREVETTO EUROPEO)  
JACOBACCI & PERANI S.P.A.

EP 678581 P 20001123 EP REF CORRESPONDS TO:  
(ENTSPRICHT)  
DE 69519122 P 20001123

EP 678581 P 20001124 EP ET FR: TRANSLATION FILED (FR:  
TRADUCTION A ETE REMISE)

EP 678581 P 20010216 ES FG2A/REG DEFINITIVE PROTECTION  
(PROTECCION DEFINITIVA)  
2152995T3

EP 678581 P 20011004 EP 26N NO OPPOSITION FILED (KEIN  
EINSPRUCH EINGELEGT)

EP 678582 P 19940418 EP AA PRIORITY (PATENT  
APPLICATION) (PRIORITAET (PATENTANMELDUNG))  
US 229281 A 19940418

EP 678582 P 19950403 EP AE EP-APPLICATION  
(EUROPAEISCHE ANMELDUNG)  
EP 95104931 A 19950403

EP 678582 P 19951025 EP AK DESIGNATED CONTRACTING  
STATES IN AN APPLICATION WITH SEARCH REPORT:  
(IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)

AT BE CH DE ES FR GB IT LI NL SE

EP 678582 P 19951025 EP A1 PUBLICATION OF APPLICATION  
WITH SEARCH REPORT (VEROEFFENTLICHUNG DER  
ANMELDUNG MIT RECHERCHENBERICHT)

EP 678582 P 19960508 EP 17P REQUEST FOR EXAMINATION  
FILED (PRUEFUNGSANTRAG GESTELLT)  
960308

EP 678582 P 20000524 EP 17Q FIRST EXAMINATION REPORT  
(ERSTER PRUEFUNGSBESCHEID)  
20000410

## SPAIN (ES)

Patent (No,Kind,Date): ES 2152995 T3 20010216  
DETECCION DE LA AMPLIFICACION DE ACIDO NUCLEICO MEDIANTE POLARIZACION  
POR FLUORESCENCIA. (Spanish)  
Patent Assignee: BECTON DICKINSON CO  
Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY  
(US); LINN CARL PRESTON (US)  
Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
19940923

Applc (No,Kind,Date): ES 95104930 EP 19950403  
 Addnl Info: 678581 EP patent valid in AT  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Spanish

## SPAIN (ES)

Legal Status (No,Type,Date,Code,Text):  
 ES 2152995 P 20010216 ES FG2A DEFINITIVE PROTECTION  
 (PROTECCION DEFINITIVA)  
 678581

## JAPAN (JP)

Patent (No,Kind,Date): JP 7289299 A2 19951107  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): JIEEMUZU JII NADEYUU; JIYOOJI TERANSU UOOKAA  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applc (No,Kind,Date): JP 9592397 A 19950418  
 IPC: \* C12Q-001/68; C12N-015/09; C12R-001-32  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 8038199 A2 19960213  
 FLUORESCENT POLARIZATION DETECTING METHOD OF NUCLEIC ACID AMPLIFICATION  
 (English)

Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): JIEEMUZU JII NADEYUU; JIYOOJI TERANSU UOOKAA  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applc (No,Kind,Date): JP 9592404 A 19950418  
 IPC: \* C12Q-001/68; C12N-015/09  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 2674737 B2 19971112  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applc (No,Kind,Date): JP 9592397 A 19950418  
 IPC: \* C12Q-001/68; C12N-015/09  
 Language of Document: Japanese

Patent (No,Kind,Date): JP 2757979 B2 19980525  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): JEEMUZU JII NADEYUU; JOOJI TERANSU UOOKAA  
 Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A  
 19940923  
 Applc (No,Kind,Date): JP 9592404 A 19950418  
 IPC: \* C12Q-001/68; C12N-015/09  
 Language of Document: Japanese

## KOREA, REPUBLIC (KR)

Patent (No,Kind,Date): KR 145908 B1 19980801  
 FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
 (English)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES GREGORY (US); WALKER GEORGE TERRANCE  
 (US)  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applc (No,Kind,Date): KR 959040 A 19950418  
 IPC: \* C12Q-001/68; C12N-015/09  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G

Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: Korean

## SINGAPORE (SG)

Patent (No,Kind,Date): SG 3000350 A1 19960601  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): WALKER GEORGE TERRANCE; NADEAU JAMES G  
 Priority (No,Kind,Date): SG 9500274 A 19950418; US 229281 A  
 19940418  
 Applic (No,Kind,Date): SG 9500274 A 19950418  
 IPC: \* C12Q  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English  
 Patent (No,Kind,Date): SG 3400216 A1 19961206  
 FLUORESCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
 (English)  
 Patent Assignee: BECTON DICKINSON CO  
 Author (Inventor): LINN C PRESTON; WALKER GEORGE TERRANCE; NADEAU  
 JAMES G  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applic (No,Kind,Date): SG 9500275 A 19950418  
 IPC: \* C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English

## UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5547861 A 19960820  
 DETECTION OF NUCLEIC ACID AMPLIFICATION (English)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): NADEAU JAMES G (US); WALKER GEORGE T (US)  
 Priority (No,Kind,Date): US 229281 A 19940418  
 Applic (No,Kind,Date): US 229281 A 19940418  
 National Class: \* 435091200; 435005000; 435006000; 536024300  
 IPC: \* C12P-019/34; C12Q-001/70; C12Q-001/68; C07H-021/04  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English  
 Patent (No,Kind,Date): US 5593867 A 19970114  
 FLUORERSCENCE POLARIZATION DETECTION OF NUCLEIC ACID AMPLIFICATION  
 (English)  
 Patent Assignee: BECTON DICKINSON CO (US)  
 Author (Inventor): WALKER G TERRANCE (US); NADEAU JAMES G (US); LINN  
 C PRESTON (US)  
 Priority (No,Kind,Date): US 311474 A 19940923; US 229281 A2  
 19940418  
 Applic (No,Kind,Date): US 311474 A 19940923  
 National Class: \* 435091200; 435006000; 935078000  
 IPC: \* C12P-019/34; C12Q-001/68  
 CA Abstract No: \* 124(01)002532C; 124(07)078682X; 126(13)167453G;  
 126(13)167453G  
 Derwent WPI Acc No: \* C 95-360099; C 95-360100  
 Language of Document: English

## UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):  
 US 5547861 P 19940418 US AE APPLICATION DATA (PATENT)  
 (APPL. DATA (PATENT))  
 US 229281 A 19940418

US 5547861 P 19940418 US AS02 ASSIGNMENT OF ASSIGNOR'S  
 INTEREST  
 BECTON, DICKINSON AND COMPANY PATENT AND  
 LICENSING DEPARTMENT 1 BECTON DRIVE FRA ;  
 NADEAU, JAMES G. : 19940413; WALKER, GEORGE  
 TERRANCE : 19940413

US 5547861 P 19960820 US A PATENT  
 US 5547861 P 19980818 US RF REISSUE APPLICATION FILED  
 (REISSUE APPL. FILED)  
 980520

US 5547861 P 19980922 US RF REISSUE APPLICATION FILED  
 (REISSUE APPL. FILED)  
 980520

US 5593867 P 19940418 US AA PRIORITY  
 US 229281 A2 19940418

US 5593867 P 19940923 US AE APPLICATION DATA (PATENT)  
 (APPL. DATA (PATENT))  
 US 311474 A 19940923

US 5593867 P 19950120 US AS02 ASSIGNMENT OF ASSIGNOR'S  
 INTEREST  
 BECTON, DICKINSON AND COMPANY PATENT AND  
 LICENSING DEPARTMENT 1 BECTON DRIVE FRA ;  
 WALKER, G. TERRANCE : 19941104; NADEAU, JAMES  
 G. : 19941104; LINN, C. PRESTON : 19941104

US 5593867 P 19970114 US A PATENT

Patent (No,Kind,Date): AT 197071 E 20001115; AU 9515023 A1 19951026; AU  
 9515019 A1 19960418; AU 685903 B2 19980129; AU 705637 B2 19990527; BR  
 9501583 A 19951114; BR 9501582 A 19970916; CA 2145576 AA 19951019; CA  
 2145719 AA 19951019; CA 2145576 C 19980630; CA 2145719 C 19980630; DE  
 69519122 C0 20001123; DE 69519122 T2 20010322; EP 678581 A1 19951025; EP  
 678582 A1 19951025; EP 678581 B1 20001018; ES 2152995 T3 20010216; JP  
 7289299 A2 19951107; JP 8038199 A2 19960213; JP 2674737 B2 19971112; JP  
 2757979 B2 19980525; KR 145908 B1 19980801; SG 3000350 A1 19960601; SG  
 3400216 A1 19961206; US 5547861 A 19960820; US 5593867 A 19970114

Patent Assignee: BECTON DICKINSON CO (US); BECTON DICKINSON CO

Author (Inventor): WALKER GEORGE TERRANCE (US); NADEAU JAMES GREGORY (US);  
 LINN CARL PRESTON (US); NADEAU JAMES G; WALKER GEORGE TERRANCE; LINN C  
 PRESTON; NADEAU JAMES G (US); WALKER GEORGE T (US); LINN C PRESTON (US)  
 ; JIEEMUZU JII NADEYUU; JIYOOJI TERANSU UOOKAA; JEEMUZU JII NADEYUU;  
 JOOJI TERANSU UOOKAA; WALKER G TERRANCE (US)

Priority (No,Kind,Date): US 229281 A 19940418; US 311474 A 19940923; SG  
 9500274 A 19950418; US 229281 A2 19940418

Designated States: (National) AT; BE; CH; DE; ES; FR; GB; IT; LI; NL; SE

Addnl Info: 678581 20001018 ; 678581 EP patent valid in AT

Applic (No,Kind,Date): EP 95104930 A 19950403; AU 9515023 A 19950323; AU  
 9515019 A 19950323; BR 95U1583 A 19950413; BR 95U1582 A 19950413; CA  
 2145576 A 19950328; CA 2145719 A 19950328; DE 69519122 A 19950403;  
 EP 95104931 A 19950403; ES 95104930 EP 19950403; JP 9592397 A  
 19950418; JP 9592404 A 19950418; KR 959040 A 19950418; SG 9500274 A  
 19950418; SG 9500275 A 19950418; US 229281 A 19940418; US 311474 A  
 19940923

IPC: C12Q-001/68; C12P-019/34; C12Q-001/70; C12Q; C12Q-001/68; G01N-033/58;  
 C07H-021/00; C12N-015/10; C12P-019/34; C12Q-001/70; G01N-021/64;  
 C12N-015/09; C12R-001-32; C07H-021/04

National Class: 435091200; 435005000; 435006000; 536024300; 935078000

CA Abstract No: 124(01)002532C; 124(07)078682X; 124(07)078682X;  
 126(13)167453G; 124(01)002532C

Derwent WPI Acc No: C 95-360099; C 95-360100; C 95-360099

Language of Document: German; English; Portugese; Spanish; Japanese; Korean

LANGUAGE OF TITLE: German; English; Portugese; French; Spanish

Legal Status Patent No: AT 197071; BR 9501582; BR 9501583; DE 69519122; EP

678581; EP 678582; ES 2152995; US 5547861; US 5593867

Document Type: AT R; BR P; DE P; EP P; ES P; US P  
 Legal Status Date: 20001115; 20010315; 20020226; 20001123; 20010322;  
 20011108; 19940418; 19940923; 19950403; 19951025; 19960508; 19990324;  
 20001018; 20001031; 20001106; 20001124; 20010216; 20011004; 20000524;  
 19960820; 19980818; 19980922; 19950120; 19970114

Legal Status Code: AT REF; AT UEP; BR FB34; DE REF; DE 8373; DE 8364; EP AA  
 ; EP AE; EP AK; EP A1; EP 17P; EP 17Q; EP B1; EP REF; CH EP/REG; EP ITF  
 ; EP ET; ES FG2A/REG; EP 26N; ES FG2A; US AE; US AS02; US A; US RF; US  
 AA

Legal Status Text: CORRESPONDS TO EP-PATENT; PUBLICATION OF TRANSLATION OF  
 EUROPEEN PATENT SPECIFICATION; GRANT PROCEDURE SUSPENDED ART.34 OF LPI;  
 CORRESPONDS TO; TRANSLATION OF PATENT DOCUMENT OF EUROPEAN PATENT WAS  
 RECEIVED AND HAS BEEN PUBLISHED; NO OPPOSITION DURING TERM OF  
 OPPOSITION; PRIORITY (PATENT APPLICATION); EP-APPLICATION; DESIGNATED  
 CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT:; PUBLICATION  
 OF APPLICATION WITH SEARCH REPORT; REQUEST FOR EXAMINATION FILED; FIRST  
 EXAMINATION REPORT; DESIGNATED CONTRACTING STATES MENTIONED IN A PATENT  
 SPECIFICATION:; PATENT SPECIFICATION; IN AUSTRIA REGISTERED AS:; ENTRY  
 IN THE NATIONAL PHASE; IT: TRANSLATION FOR A EP PATENT FILED;  
 CORRESPONDS TO:; FR: TRANSLATION FILED; DEFINITIVE PROTECTION; NO  
 OPPOSITION FILED; APPLICATION DATA (PATENT); ASSIGNMENT OF ASSIGNOR'S  
 INTEREST; PATENT; REISSUE APPLICATION FILED; PRIORITY

Legal Status Text: (German) (ENTSPRICHT EP-PATENT); (UEBERSETZUNG DER  
 EUROPAEISCHEN PATENTSCHRIFT AUSGEGBEN); (EXIGENCIA ART. 34 DA LPI);  
 (ENTSPRICHT); (UEBERSETZUNG DER PATENTSCHRIFT DES EUROPAEISCHEN  
 PATENTES IST EINGEGANGEN UND VEROEFFENTLICHT WORDEN); (EINSPRUCHSFRIST  
 ABGELAUFEN OHNE DASS EINSPRUCH ERHOBEN WURDE); (PRIORITAET  
 (PATENTANMELDUNG)); (EUROPAEISCHE ANMELDUNG); (IN EINER ANMELDUNG  
 BENANNTEN VERTRAGSSTAATEN); (VEROEFFENTLICHUNG DER ANMELDUNG MIT  
 RECHERCHENBERICHT); (PRUEFUNGSANTRAG GESTELLT); (ERSTER  
 PRUEFUNGSBESCHEID); (IN EINER PATENTSCHRIFT ANGEFUEHRTE BENANNTEN  
 VERTRAGSSTAATEN); (PATENTSCHRIFT); (IN AT EINGETRAGEN ALS:); (EINTRITT  
 IN DIE NATIONALE PHASE); (IT: DEPOSITO TRADUZIONE DI BREVETTO EUROPEO);  
 (FR: TRADUCTION A ETE REMISE); (PROTECCION DEFINITIVA); (KEIN EINSPRUCH  
 EINGELEGT); (APPL. DATA (PATENT)); (REISSUE APPL. FILED)

Legal Status Addnl Text: AT BE CH DE ES FR GB IT LI NL SE; 960308; 990208;  
 JACOBACCI & PERANI S.P.A.; 2152995T3; 20000410; 678581; BECTON,  
 DICKINSON AND COMPANY PATENT AND LICENSING DEPARTMENT 1 BECTON DRIVE  
 FRA ; NADEAU, JAMES G. : 19940413; WALKER, GEORGE TERRANCE : 19940413;  
 980520; BECTON, DICKINSON AND COMPANY PATENT AND LICENSING DEPARTMENT 1  
 BECTON DRIVE FRA ; WALKER, G. TERRANCE : 19941104; NADEAU, JAMES G. :  
 19941104; LINN, C. PRESTON : 19941104

Legal Status Ref Patent: EP 678581 P 20001018; EP 678581 P 20001123; AT  
 197071 R 20001115; DE 69519122 P 20001123

Legal Status Ref Applic: EP 95104930 A 19950403; EP 95104931 A 19950403;  
 US 229281 A 19940418; US 311474 A 19940923

Legal Status Ref Priority: US 229281 A 19940418; US 311474 A 19940923; US  
 229281 A2 19940418

No of Legal Status: 040

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 \$0.21 TELNET  
 \$12.58 Estimated cost this search  
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Huang PN 5,547,861

### Status: Signed Off. (2 minutes)

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1

Terms: [patno=5547861 or patno=5,547,861](#) ([Edit Search](#))*Pat. No. 5,547,861, \****5,547,861**◆ [GET 1st DRAWING SHEET OF 3](#)

Aug. 20, 1996

Detection of nucleic acid amplification

**REISSUE:** Reissue Application filed May 20, 1998 (O.G. Sep. 22, 1998) Ex. Gp.: 1635; Re. S.N. 09/082,247

Reissue Application filed May 20, 1998 (O.G. Aug. 18, 1998) Ex. Gp.: 1807; Re. S.N. 09/082,247

**CORE TERMS:** sequence, target, secondary, dna, detection, site, nucleotide, strand, endonuclease, stranded...Source: [All Sources](#) > [Area of Law - By Topic](#) > [Patent Law](#) > [Patents](#) > [U.S. Patents](#) > [Utility, Design and Plant Patents](#)1 Terms: [patno=5547861 or patno=5,547,861](#) ([Edit Search](#))View: [Custom](#) - [Modify](#)

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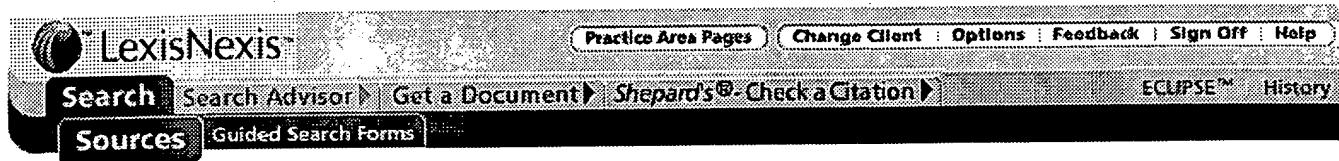
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- 1. [Canada NewsWire](#), May 29, 2001, Tuesday, FINANCIAL NEWS, 3432 words, Belzberg reports record first quarter revenue; New UK office and Options ECN herald strong growth going forward TSE SYMBOL: BLZ, TORONTO, May 29, BC-Belzberg-Q1-results; ... DURING THE PERIOD 3,468,243 **5,547,861** CASH (BANK INDEBTEDNESS), ...
- 2. [PR Newswire](#), May 29, 2001, Tuesday, FINANCIAL NEWS, 3374 words, Belzberg reports record first quarter revenue; New UK office and Options ECN herald strong growth going forward; TSE SYMBOL: BLZ, TORONTO, May 29 ... DURING THE PERIOD 3,468,243 **5,547,861** CASH (BANK INDEBTEDNESS), ...
- 3. [PR Newswire European](#), May 29, 2001, Tuesday, FINANCIAL, 3376 words, BELZBERG REPORTS RECORD FIRST QUARTER REVENUE ... During The Period 3,468,243 **5,547,861** Cash (Bank Indebtedness), ...
- 4. [Business Wire](#), June 1, 2000, Thursday, 1871 words, Belzberg Reports Record Revenues for 1st Quarter 2000: Company Continues to Experience Strong Growth, TORONTO, June 1, 2000 ... IN CASH POSITION **5,547,861** (185,104) CASH AND CASH ...
- 5. [CCN Disclosure](#), June 1, 2000, 1850 words, BELZBERG REPORTS RECORD REVENUES FOR 1ST QUARTER 2000 : COMPANY CONTINUES TO EXPERIENCE STRONG GROWTH ... CHANGE IN CASH POSITION **5,547,861** (185,104)

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